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10/628,768 07/28/2003 Raymond F. Ryan 5011-017 5781 25184 7590 01/04/2005 EXAMINER WILLIAM J. MASON PHAM, MINH CHAU THI MACCORD MASON PLLC ART UNIT PAPER NUMBER	APPLICATION NO.	FILING DATE FIRST NAMED INVENT		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION			
WILLIAM J. MASON PHAM, MINH CHAU THI MACCORD MASON PLLC	10/628,768		07/28/2003	Raymond F. Ryan	5011-017	5011-017 5781		
MACCORD MASON PLLC	25184	7590	01/04/2005		EXAM	EXAMINER		
	WILLIAM	J. MASC	N	PHAM, MINH CHAU THI				
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DATE MAILED: 01/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)					
		10/628,768	RYAN ET AL.					
	Office Action Summary	Examiner	Art Unit	-				
		Minh-Chau T. Pham	1724					
Period for	The MAILING DATE of this communication app or Reply	ears on the cover sheet with ti	ie correspondence addr	ess				
THE - External after aft	IORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. Insigns of time may be available under the provisions of 37 CFR 1.13 r SIX (6) MONTHS from the mailing date of this communication. In period for reply specified above is less than thirty (30) days, a reply compared for reply is specified above, the maximum statutory period ware to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing led patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply by within the statutory minimum of thirty (30) will apply and will expire SIX (6) MONTHS accuse the application to become ABAND	ne timely filed I days will be considered timely. I from the mailing date of this common co	munication.				
Status								
1)🛛	Responsive to communication(s) filed on 20 O	ctober 2004.						
2a) <u></u>		action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
5)□ 6)⊠ 7)□	Claim(s) 4, 5 and 7-17 is/are pending in the ap 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 4,5 and 7-17 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.		÷				
Applicat	ion Papers							
9)[The specification is objected to by the Examiner	r.						
10)	The drawing(s) filed on is/are: a) acce	epted or b) objected to by the	ie Examiner.	•				
	Applicant may not request that any objection to the		·					
11)	Replacement drawing sheet(s) including the correction. The oath or declaration is objected to by the Expression is considered to be a second			• •				
	under 35 U.S.C. § 119							
12)[_ a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau See the attached detailed Office action for a list of	s have been received. s have been received in Applicately documents have been received (PCT Rule 17.2(a)).	cation No eived in this National Sta	age				
Attachmen	t(s)							
	e of References Cited (PTO-892)	4) Interview Summ	ary (PTO-413)					
3) 🔀 Inforr	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	Paper No(s)/Mai 5) Notice of Inform 6) Other:	I Date al Patent Application (PTO-15	5 <u>2</u>)				

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Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 4, 5 and 7-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over either Calsteren et al (3,944,405) or Taylor et al (3,363,539).

Calsteren et al disclose a biological safety cabinet (1) comprising a work chamber (3), a fan enclosure having an exhaust port (see Fig. 2), a conduit extending from the contaminated air outlet to the fan enclosure, a first HEPA filter (12) between the contaminated air outlet (3) and the fan enclosure, and a fan (13) within the fan enclosure to convey air through the HEPA filter (12) into the fan enclosure and the fan (13) being isolated from contaminated air by the first filter (12), and a second filter (18) between fan enclosure (15) and the work chamber (6) (see Fig. 2). Taylor et al disclose a biological safety cabinet (A) comprising a work chamber, a fan enclosure having an exhaust port (see Fig. 2), a conduit extending from the contaminated air outlet to the fan enclosure, a first HEPA filter (26) between the contaminated air outlet and the fan enclosure, and a fan (18) within the fan enclosure to convey air through the HEPA filter (26) into the fan enclosure and the fan (18) being isolated from contaminated air by the first filter (26), and a second filter (24) between fan enclosure and the work chamber (see Fig. 2). It would have been obvious to a person having ordinary skill in the art at the time the invention was made to provide a filter at the inlet and outlet of the fan enclosure as taught by either Calsteren et al or Taylor et al to provide a sterile laminar airflow device which substantially devoid airborne particulate contaminants.

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Response to Amendment

Applicant's arguments filed on October 20, 2004 have been fully considered but they are not persuasive.

Applicant argues that none of the cited references discloses "an apparatus in which the fan is isolated from contaminated air wherein the fan located within a fan enclosure with an HEPA filter being positioned across the fan enclosure inlet to filter the contaminated air before it enters the enclosure". The Examiner now drops both Thakur and Landy references and newly introduces Calsteren et al and Taylor et al as the primary references to show: Calsteren et al disclose a biological safety cabinet (1) comprising a work chamber (3), a fan enclosure having an exhaust port (see Fig. 2), a conduit extending from the contaminated air outlet to the fan enclosure, a first HEPA filter (12) between the contaminated air outlet (3) and the fan enclosure, and a fan (13) within the fan enclosure to convey air through the HEPA filter (12) into the fan enclosure and the fan (13) being isolated from contaminated air by the first filter (12), and a second filter (18) between fan enclosure (15) and the work chamber (6) (see Fig. 2). Taylor et al disclose a biological safety cabinet (A) comprising a work chamber, a fan enclosure having an exhaust port (see Fig. 2), a conduit extending from the contaminated air outlet to the fan enclosure, a first HEPA filter (26) between the contaminated air outlet and the fan enclosure, and a fan (18) within the fan enclosure to convey air through the HEPA filter (26) into the fan enclosure and the fan (18) being isolated from contaminated air by the first filter (26), and a second filter (24) between fan enclosure and the work chamber (see Fig. 2). It would have been obvious to a

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person having ordinary skill in the art at the time the invention was made to provide a filter at the inlet and outlet of the fan enclosure as taught by either Calsteren et al or Taylor et al to provide a sterile laminar airflow device which substantially devoid airborne particulate contaminants.

Applicant's arguments with respect to claims 4, 5 and 7-17 have been thoroughly considered but are most in view of the new ground(s) of rejection as discussed above.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh-Chau T. Pham whose telephone number is (571) 272-1163. The examiner can normally be reached on Mon/Tues/Thur/Fri 7:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on (571) 272-1166. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Minh-Chau Pham Patent Examiner Art Unit: 1724

December 30, 2004